ABSTRACT

An electric motor includes a motor casing, a stator assembly having wire windings, a shaft, and a rotor. A resin in liquid form is added in a vacuum chamber to the motor casing to surround the wire windings. The resin is added after a number of potting fixtures that restrict the coverage of the resin to the stator assembly are assembled onto the motor casing. The resin cures to form a solid coating encapsulating the wire windings to protect the stator assembly from moisture and contaminants.